

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
17 March 2005 (17.03.2005)

PCT

(10) International Publication Number  
**WO 2005/023300 A3**

(51) International Patent Classification<sup>7</sup>: **A61K 39/395**,  
C07K 14/705, A61K 39/00, A61P 35/00 // C07K 16/28,  
16/30

(21) International Application Number:  
PCT/GB2004/003674

(22) International Filing Date: 27 August 2004 (27.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0320877.4 5 September 2003 (05.09.2003) GB

(71) Applicant (for all designated States except US): **CELL-  
TECH R & D LIMITED** [GB/GB]; 208 Bath Road,  
Slough, Berkshire SL1 3WE (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **HUDSON, Lindsey,  
Jane** [GB/GB]; Celltech R & D Limited, 208 Bath Road,  
Slough, Berkshire SL1 3WE (GB).

(74) Agent: **THOMPSON, John**; Celltech R & D Limited, 208  
Bath Road, Slough, Berkshire SL1 3WE (GB).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

(88) Date of publication of the international search report:  
28 April 2005

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR TREATING, PREVENTING AND/OR DIAGNOSING CANCER, RELATED TO THE USE OF MAL2  
POLYPEPTIDE

(57) Abstract: The present invention provides a polypeptide, MAL2, of use in the treatment and/or prophylaxis of carcinoma, in particular liver cancer, stomach cancer and/or colon cancer. Also provided are agents which interact with or modulate the expression or activity of the polypeptide, methods for the identification of such agents and the use of MAL2 in the diagnosis of said carcinoma.



**WO 2005/023300 A3**